Description of work	No	Dimension L B D	Qty	unit	Rate Rs Ps	Amount Rs ps
Pole No-13 to Pole No-14			7	Mtr		
JP Park Nakshatra Rashi Vana						
Pole no-14 to Pole No-15			8	Mtr		
Pole no-15 to Pole No-16			6	Mtr		
Pole no-16 to Pole No-17			7	Mtr		
Pole no-17 to Pole No-18			8	Mtr		
Pole no-18 to Pole No-19			9	Mtr		
Pole no-19 to Pole No-20			8	Mtr		
Pole no-20 to Pole No-21			7	Mtr		
Pole no-21 to Pole No-22			6	Mtr		
Pole no-22 to Pole No-23			8	Mtr		
Pole no-23 to Pole No-24			7	Mtr		
Pole no-24 to Pole No-25			6	Mtr		
Pole no-25 to Pole No-26			7	Mtr		
Pole no-26 to Pole No-27			8	Mtr		
Pole no-27 to Pole No-28			9	Mtr		
Pole no-28 to Pole No-29			8	Mtr		
Pole no-29 to Pole No-30			7	Mtr		
S/T-3			**284**	**Mtr**		
JP Park Play ground Street Lights						
Jp Park Play Ground (As per the Sketch/ Drawing Enclosed)						
Pole No 1 to 2			17	Mtr		
Pole No 2 to 3			17	Mtr		
Pole No 3 to 4			17	Mtr		
Pole No 4 to 4'			17	Mtr		
Pole No 5 to 6			22	Mtr		
Pole No 6 to 7			22	Mtr		
Pole No 7 to 8			15	Mtr		
Pole No 8 to 9			23	Mtr		
Pole No 9 to 10			17	Mtr		
Pole No 10 to 11			15	Mtr		
Pole No 11 to 12			15	Mtr		
Pole No 12 to 13			15	Mtr		
Pole No 13 to 14			15	Mtr		
Pole No 14 to 15			15	Mtr		
Pole No 15 to 16			15	Mtr		
Pole No 16 to 17			15	Mtr		
Pole No 17 to 18			15	Mtr		
Pole No 18 to 19			15	Mtr		
Pole No 19 to 20			15	Mtr		
Pole No 20 to 21			18	Mtr		
Pole No 22 to 23			15	Mtr		
Pole No 23 to 24			23	Mtr		
Pole No 24 to 25			25	Mtr		
Pole No 25 to 26			18	Mtr		
Pole No 27 to 28			14	Mtr		
Pole No 28 to 29			14	Mtr		
Pole No 29 to 30			14	Mtr		
Pole No 31 to 32			14	Mtr		
Pole No 32 to 33			14	Mtr		
Pole No 33 to 34			14	Mtr		
Pole No 35 to 36			14	Mtr		

Sl no	Description of work	No	Dimension L B D	Qty	unit	Rate Rs Ps	Amount Rs ps
	Pole No 36 to 37			14	Mtr		
	Pole No 37 to 38			14	Mtr		
	Pole No 39 to 40			17	Mtr		
	Pole No 40 to 41			17	Mtr		
	Pole No 41 to 42			17	Mtr		
	Main Control Panel to Pole No-1			115	Mtr		
	Main Control Panel to Pole No-5			192	Mtr		
	Main Control Panel to Pole No-26			25	Mtr		
	Main Control Panel to Pole No-30			10	Mtr		
	Main Control Panel to Pole No-31			20	Mtr		
	Main Control Panel to Pole No-38			22	Mtr		
	Main Control Panel to Pole No-39			30	Mtr		
	S/T-4			**1007**	Mtr		
	Total Qty			**1496**	**Mtr**	**165.6**	**247737.6**
	3.5 core 50 sqmm						
	JP Park Play ground Street Lights (As per the Sketch/ Drawing Enclosed)						
	Main Control Panel to Pole No-21			135	Mtr		
	Main Control Panel to Pole No-17			150	Mtr		
	Mohan kumar Nagar Gate Entrance Side from Existing Bescom RCC POLE TO Control Panel			60	Mtr		
	Hongevana from Existing BESCOM RCC pole to Control Panel			53	Mtr		
	TOTAL QTY			**398**	**Mtr**	**265.000**	**105470.0**
5	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. 6 sqmm to 16 sqmm						
	JP PARK Main Gate Opp Road street lights			1400	Mtr		
	J P Park Sand pathway Lighting			4400	Mtr		
	Total qty			**5800**	**Mtr**	**10.80**	**62640.0**
	25 sqmm to 75 sqmm						
	JP PARK Main Gate Opp Road street lights			76	Mtr		
	J P Park Sand pathway Lighting			526	Mtr		
	JP Park Play ground Street Lights			1292	Mtr		
	Total qty			**1894**	**Mtr**	**16.20**	**30682.8**
6	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) In soil (ORDINARY)						
	JP PARK Main Gate Opp Road street lights			50	Mtr		
	J P Park Sand pathway Lighting			4200	Mtr		
	Total qty			**4250**	**Mtr**	**78.00**	**331500.0**
	Asphalt cutting						
	JP PARK Main Gate Opp Road street lights			**1290**	**Mtr**	**117.00**	**150930.0**
	Soil Hard						
	JP Park Play ground Street Lights			**1030**	**Mtr**	**106.00**	**109180.0**
7	Supply and laying double walled corrugated (DWC) HDPE Pipe including all necessary connecting Sockets/Couplings/Tees/Bends/End-caps of same materials in existing trench as per IS 14930 part -II suitable for drawing underground cables. 50mm OD / 38mm ID						
	JP PARK Main Gate Opp Road street lights			0	Mtr		
	J P Park Sand pathway Lighting			4200	Mtr		
	JP Park Play ground Street Lights			0	Mtr		

Sl No	Description of work	No	Dimension L B D	Qty	unit	Rate Rs Ps	Amount Rs ps
	Total qty			**4200**	**Mtr**	**151.00**	634200.0
8	Supply and installaion / Fixing / Provision for mounting of HRC Fuse/ MCB with suitable connector/ terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 SQmm/25 Sqmm 3.5 C Al/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof having internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and / or grommets. 200x200x98mm (PWD Electrical SR 2010-11)						
	JP PARK Main Gate Opp Road street lights			60	Each		
	J P Park Play ground Street Lights			52	Each		
	Total qty			**112**	**Each**	**925.00**	103600.0
9	Supplying and fixing hylum plastic sheet 3mm thick with necessary nitches for fixing switches, regulators etc., and fixing on existing wood or metal box using M.F screws.						
	JP PARK Main Gate Opp Road street lights			7000	Sq CM		
	J P Park Sand pathway Lighting			7200	Sq CM		
	Total qty			**14200**	**Sq CM**	**0.22**	3124.0
10	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand copper with low conductor resistence single core wire in open or concealed system of wiring wit specified IS-694:1990 & confirming to GTP of group A.						
	2.5 SQMM						
	JP PARK Main Gate Opp Road street lights			1450	Mtr		
	J P Park Sand pathway Lighting			2400	Mtr		
	Total qty			**3850**	**Mtr**	**29.20**	112420.0
	4 sqmm						
	J P Park Play ground Street Lights			**998**	**Mtr**	**36.30**	36227.4
	6sqmm						
	JP PARK Main Gate Opp Road street lights			20	Mtr		
	J P Park Sand pathway Lighting			98	Mtr		
	J P Park Play ground Street Lights			20	Mtr		
	Total qty			**138**	**Mtr**	**63.80**	8804.4
11	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.						
	JP PARK Main Gate Opp Road street lights			1	Each		
	Indira Canteen jp park gate			1	Each		
	Chowdeshwari Bus Stand			**2**	**Each**		
	S/T-1						
	J P Park Sand pathway Lighting			1	Each		
	Mohankumar Nagar Gate, Gate No -4			1	Each		
	Muthyalamma nagar Gate, Bandappa Garden Gate			1	Each		
	Sanjeevini Vana			1	Each		
	Honggevana			**4**	**Each**		
	S/T-2			**2**	**Each**		
	J P Park Play ground Street Lights			**8**	**Each**	**4586.00**	36688.0
	Total qty						
12	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. (Item No. - 6.7)-63Amps (Item No. - 6.7.3)						
	JP PARK Main Gate Opp Road street lights			6	Each		

EE (Ele.

	Description of work	No	Dimension L B D	Qty	unit	Rate Rs Ps	Amount Rs ps
				6	Each		
	JP Park Sand pathway Lighting			6	Each		
	JP Park Play ground Street Lights			**18**	**Each**	**234.00**	**4212.0**
	Total qty						
13	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. (Item No. -6.12)-60-70Amps (Item No. - 6.12.3)						
	JP PARK Main Gate Opp Road street lights			1	Each		
	Indira Canteen jp park gate			1	Each		
	Chowdeshwari Bus Stand			**2**	**Each**		
	S/T-1						
	JP Park Sand pathway Lighting			1	Each		
	Mohankumar Nagar Gate, Gate No -4			1	Each		
	Muthalamma nagar Gate, Bandappa Garden Gate			1	Each		
	Sangeeta Vana			1	Each		
	Honnegowda			**4**	**Each**		
	S/T-2			1	Each		
	JP Park Play ground Street Lights			**7**	**Each**	**4774.00**	**33418.0**
	Total qty						
14	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy class-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. (Item No. - 6.16) 40-63Amps TPN (Item No. - 6.16.6)						
	JP PARK Main Gate Opp Road street lights			2	Each		
	JP Park Sand pathway Lighting			4	Each		
	Total qty			**6**	**Each**	**1936.00**	**11616.0**
15	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 6 13 11100Amps 25kA.						
	JP Park Sand pathway Lighting			2	Each		
	JP Park Play ground Street Lights			4	Each		
	Total qty			**6**	**Each**	**4044.00**	**24264.0**
	250Amps 35kA.						
	JP Park Play ground Street Lights			**2**	**Each**	**16327.00**	**32654.0**
16	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. (Item No. - 6.39 -40x40x6mm (Item No. - 6.39.1)						
	JP PARK Main Gate Opp Road street lights			20	Mtr		
	JP Park Sand pathway Lighting			80	Mtr		
	JP Park Play ground Street Lights			20	Mtr		
	Total qty			**120**	**Mtr**	**263.00**	**31560.0**

AEE (Ele.)

Asst. Executive Engineer,
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Description of work	No	Dimension L B D	Qty	unit	Rate Rs Ps	Amount Rs ps
Fabricating supplying and mounting MS box made out of 3MM suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. (Item No. - 6.4)--3MM (Item No. - 6.40.1)						
UP PARK Main Gate Opp Road street lights			85000	sq.cms		
UP Park Sand pathway Lighting			85000	sq.cms		
Mahankumar Nagar Gate, Gate No -4			85000	sq.cms		
Muddamma nagar Gate, Bandappa Garden Gate			85000	sq.cms		
Sangeeta Vana			340000	sq.cms		
Honggavana S/T			10000	sq.cms		
UP Park Nakshtra Vana Total qty			350000	sq.cms	0.37	129500.0
Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit .... The pit should be filled with alternate proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia (Item No. - 7.1)						
UP PARK Main Gate Opp Road street lights			2	No		
UP Park Sand pathway Lighting			1			
Mahankumar Nagar Gate, Gate No -4			1			
Muddamma nagar Gate, Bandappa Garden Gate			1			
Sangeeta Vana			1			
Honggavana S/T			4	No		
UP Park Play ground Street Lights Total qty			1	No		
			7	No	2727.00	19089.0
Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. (Item No. - 7.12 1)						
UP PARK Main Gate Opp Road street lights			30	Mtr		
UP Park Sand pathway Lighting			60	Mtr		
UP Park Play ground Street Lights Total qty			40	Mtr		
			130	Mtr	345.00	44850
Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 35Sqmm (Item No. - 7.13.4)						
UP PARK Main Gate Opp Road street lights			2	Each		
UP Park Sand pathway Lighting			4	Each		
UP Park Play ground Street Lights Total qty			2	Each		
			8	Each	362.00	289

Description of work	No	Dimension L B D	Qty	unit	Rate Rs Ps	Amount Rs ps
Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) (Item No. - 7.14)32mm dia (Item No. - 7.14.3						
UP PARK Main Gate Opp Road street lights			2	Each		
UP Park Sand pathway Lighting			8	Each		
UP Park Play ground Street Lights			2	Each		
Total qty			**12**	**Each**	**122.00**	**1464.0**
Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. (Item No. - 7.21) 16 sqmm (Item No. - 7.21.6)						
UP PARK Main Gate Opp Road street lights			240	Each		
UP Park Sand pathway Lighting			1000	Each		
Total qty			**1240**	**Each**	**11.31**	**14024.4**
25 sqmm Long Barrel (Item No. - 7.21.8)						
UP PARK Main Gate Opp Road street lights			12	Each		
UP Park Sand pathway Lighting			18	Each		
UP Park Play ground Street Lights			208	Each		
Total qty			**238**	**Each**	**20.59**	**4900.4**
Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. GI Wire (Item No. - 7.22.4)8 SWG (Item No. - 7.22..3)						
UP PARK Main Gate Opp Road street lights			20	Mtr		
UP Park Sand pathway Lighting			50	Mtr		
UP Park Play ground Street Lights			20	Mtr		
Total qty			**90**	**Mtr**	**19.50**	**1755.0**
KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 (Item No. - 2.4, Page No. 5)						
UP Park Sand pathway Lighting			1.00	Cum		
UP Park Play ground Street Lights			6.48	Cum		
Total qty			**7.48**	**Cum**	**332.98**	**2490.7**
KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 330kgs. with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Item No. - 4.5, Page No. 12)						
UP Park Sand pathway Lighting			1.00	Cum		
UP Park Play ground Street Lights			6.48	Cum		
Total qty			**7.48**	**Cum**	**6520.72**	**48775.0**

Asst. Executive Engineer,
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

AEE (Elg.)

Sl no	Description of work	No	Dimension L B D	Qty	unit	Rate Rs Ps	Amount Rs ps
26	Supplying and fixing telescopic M.S. bracket fabricated by using 0.5m length 4" dia telescopic M. S. pipe, with 2" dia 1.5m long M. S. bracket and are welded with suitable angle, using 6mm thick M. S. sheet, grip bolts & nuts, as required, suitable for 9 to 12 mtrs. M. S. tubular pole, with necessary two coats of painting, with all other accessories. Single bracket 2 Mtr. Length						
	JP PARK Main Gate Opp Road street lights LHS-30, RHS-30			60	Each	1677.00	100620.0
27	Fabricating, supplying and Errection of swaged/Stepped M.S tubular pole of height 4 Mtr having three sections and providing two coats of PU Primer and finished with two coats of PU paint of approved quality and colour. The pole shall be Foundation Mountable having the MS Base plate of size 200x250x8mm, which will be welded at the bottom of the pole (as per IS). Termination compartment within the pole at Suitable Height with door opening arrangements, including suitable boards, Bakelite sheet and MCBs. The pole shall be fitted with decorative arm/bracket at suitable height. The pole will be fitted with aluminium spinn at the steppings which will be painted gold colour.The Arm/Bracket will be fitted with Decorative aluminium casting flowers of 2 Nos at suitable places. a) 4 Mtr Pole. (Top- 1.5 mtr Height, 76.1 mm outer dia, 2.9 mm thick, Bottom-1mtr Height, 114 mm outer dia, 3.2 mm Thickness, Middle-1.5mtr Height, 89 mm outer dia, 2.9 mm thick, complete) The decorative arm/Bracket shall be MS pipe of 42 mm outer dia, 2.6 mm thick the length of arm will be approx. 3mtr, including bending as per the approved design. Foundation bolts/nuts of size M12X500 complete including loading, unloading and Transportation to Work Site. (excluding Suitable foundation)						
	J P Park Sand pathway Lighting (From Jp Park Swimming Pool Gate to End of SAND Pathway) Both Side			220	Nos		
	JP Park Nakshatra vana and Rashi Vana			30	Nos		
	Total Qty			250	Nos	16225.00	4056250.0
28	Supply, installation, testing and commissioning of booster amplifier with power handling of 750 watt RMS 4ohms Dual and 100/70 volt output on bridge mode single channel Rack mountable Specs: frequency response : 20 htz to 20khtz Make: Ahuja/Equivalent.						
	J P Park Sand pathway Lighting			4	Each	76700.00	306800.0
29	Supplying and fixing of 6 Watts outdoor waterproof speaker with IP66 protection, made up of plastic cone. Make: Ahuja/Equivalent.						
	J P Park Sand pathway Lighting			220	Each	1888.00	415360.0
30	Supplying and fixing of Line matching transformer of approved makefor impedenace matcing to improve the Signal gain with 1.5/3/6watts tappings.						
	J P Park Sand pathway Lighting			220	Each	944.00	207680.0

AEE (Ele.)

Asst. Executive Engineer,
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

AEE (Ele.)

Sl no	Description of work	No	Dimension L B D	Qty	unit	Rate Rs Ps	Amount Rs ps
31	Speaker Cables Supply, installation, testing and commissioning professional grade 2.5 sq mm TIN coated low loss 2 core multi strand Oxidation Free speaker cable including, lead and lifts, loading and unloading, cost of conveyance for all the materials with the accessories.						
	J P Park Sand pathway Lighting			4450	meter	38.00	169100.0
32	Supply, installation, testing and commissioning of 4 to 6 Channel 4 mic/line input mixer with 2/3 band semi parametric eq 2 bus and 2 aux 2 stereo return.						
	J P Park Sand pathway Lighting			2	No	12800.00	25600.0
33	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by						
	LED Streetlight 24watts						
	J P Park Sand pathway Lighting (From Jp Park Swimming Pool Gate to End of SAND Pathway) Both Side			220	Each		
	JP Park Nakshatra vana			30	Each		
	Total Qty			250	Each	6912.00	1728000.0
34	Accessories- Open Type Heavy Duty Ferromagnetic Copper Ballast for HPSV/HPMH lamps: Supply of High Intensity Discharge Electro Magnetic Ballast suitable for ...W sodium vapor / Metal Halide lamp with Copper winding of Orthocyclic winding coil. Class H insulated dual coated copper wire. Compliance to IEC 61347-2-9 Safety & IEC 60923 - Performance. Winding Temperature for HID Ballast tw = 130 deg C & temperature rise ?T = 70 deg C. For 400 - Watts						
	J.P Park Play ground Street Lights			40	Each	3524.00	140960.0

Sl no	Description of work	No	Dimension L B D	Qty	unit	Rate Rs Ps	Amount Rs ps
35	Accessories- Ignitor Suitable for 70 to 400 Watts SV/MH fittings						
	J.P Park Play ground Street Lights			40	Each	222.00	8880.0
36	Supply of 400W Metal Halide single end tubular Lamp with lumen output of 25000 lumens & CCT 3000 & CRI 80+ & Avg life greater than 20,000 Hrs. with Cap Base E40						
	J.P Park Play ground Street Lights			50	Each	1078.00	53900.0
37	Supplying High pressure ..... Metal halide flood light luminary suitable for use with high pressure metal halide lamp with integrated control gear. The fitting shall be non corrosive high pressure die cast aluminum housing powder coated with toughened and heat resistant glass with low copper content black/grey powder coated paint finish with EPDM gasket. Reflector shall be made of high purity pre-anodized aluminum. Cable entry through a cable gland with toggle clips. IP 65 protection for both and optical and electrical compartment. Bottom cover may be with polycarbonate / tempered / toughened glass. Luminaire efficiency should be > 60% and ambient temperature > 35 deg C. High intensity discharge Electro magnetic ballast with copper winding of Octocyclic winding coil. Class H insulated dual coated copper wire. Compliance to IEC 61347-2-9 Safety and IEC 60923- performance. Winding temperature for HID ballast tw = 130 deg C and temperature rise ?T - 70 deg C. Luminaire shall be suitable to operate on 230/250Volts 50Hz AC supply finish including wiring, ignitor, condenser. SS Toggles for opening front hingeable glass, prewired to terminal block.2x400Watts						
	J.P Park Play ground Street Lights			16	Each	22800.00	364800.0
	TOTAL						17160682.7
Rupees One Crore Seventy One Lakh Sixty Thousand Six Hundred and Eighty Two Only Paise Sixty Nine Only							

Certificate: Certified that this work carried out satisfactorily.

Asst. Executive Engineer,
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

AEE (Ele.)